

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2007/07/24 17:59
S2	8	Heske-Thomas.in.	US-PGPUB; USPAT	OR	ON	2007/07/18 11:59
S3	1	Heske-Norbert-F.in.	US-PGPUB; USPAT	OR	ON	2007/07/18 11:58
S4	0	Heske-Thomas-G.in.	US-PGPUB; USPAT	OR	ON	2007/07/18 11:59
S5	12	S1 or S2 or S3 or S4	US-PGPUB; USPAT	OR	ON	2007/07/18 13:04
S6	0	US-2001014779-\$.did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:05
S7	1	"5976164".pn.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:07
S8	0	2002014779-\$.did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:07
S9	0	US-2002014779.did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:08
S10	0	"2002014779".did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:08
S11	0	"2001014779".did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:08
S12	0	US-2001014779-\$.did.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:09
S13	0	("US-2001014779-\$.did."). PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:10
S14	0	("US-2001-014779-\$. did.").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:10
S15	0	(US-2001/014779-\$.did.). OCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:10
S16	0	("2001014779").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 13:10
S17	3	US-5526822-\$.DID. OR US-5976164-\$.DID. OR US-2001011156-\$.DID. or US-6142955-\$.did. or US- 2001014779-\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:03

S18	5	US-5526822-\$.DID. OR US-5976164-\$.DID. OR US-20010011156-\$.DID. or US-6142955-\$.did. or US-20010014779-\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:23
S19	1	US-4641663-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:38
S20	6	((("5954670") or ("5817033") or ("5560373") or ("5282476") or ("5183052") or ("5057085"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 15:38
S21	5	US-6027458-\$.DID. OR US-20020082519-\$.DID. OR US-2004101-\$.DID. OR US-20040215103-\$. DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:51
S22	5	US-20010011156-\$.DID. OR US-20020016555-\$. DID. OR US- 20040186393-\$.DID. OR US-20040249307-\$.DID. OR US-20040249278-\$. DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:52
S23	26	US-20010007925-\$.DID. OR US-20010012919-\$. DID. OR US- 20010047183-\$.DID. OR US-20020016555-\$.DID. OR US-20020045842-\$. DID. OR US- 20020068878-\$.DID. OR US-20020082519-\$.DID. OR US-20020120212-\$. DID. OR US- 20020151822-\$.DID. OR US-20020156395-\$.DID. OR US-3606878-\$.DID. OR US-3844272-\$.DID. OR US-4490137-\$.DID. OR US-4940061-\$.DID. OR US-4958625-\$.DID. OR US-5025797-\$.DID. OR US-5125413-\$.DID. OR US-5282476-\$.DID. OR US-5368045-\$.DID. OR US-5400798-\$.DID. OR US-5546957-\$.DID. OR US-5617874-\$.DID. OR US-5649547-\$.DID. OR US-5655542-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:23

		OR US-5709697-\$.D.ID.				
S24	1	US-5752923-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:24
S25	27	US-5766135-\$.D.ID. OR US-5769086-\$.D.ID. OR US-5769795-\$.D.ID. OR US-5775333-\$.D.ID. OR US-5788651-\$.D.ID. OR US-5807282-\$.D.ID. OR US-5817034-\$.D.ID. OR US-5823970-\$.D.ID. OR US-5857982-\$.D.ID. OR US-5913857-\$.D.ID. OR US-5928164-\$.D.ID. OR US-5944673-\$.D.ID. OR US-5951490-\$.D.ID. OR US-5964716-\$.D.ID. OR US-5980469-\$.D.ID. OR US-6007495-\$.D.ID. OR US-6007497-\$.D.ID. OR US-6019733-\$.D.ID. OR US-6022324-\$.D.ID. OR US-6036657-\$.D.ID. OR US-6050955-\$.D.ID. OR US-6077230-\$.D.ID. OR US-6083176-\$.D.ID. OR US-6083237-\$.D.ID. OR US-6086544-\$.D.ID. OR US-6106484-\$.D.ID. OR US-6110129-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:41
S26	2	US-D403405-\$.D.ID. OR US-6120462-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:41
S27	28	US-6126617-\$.D.ID. OR US-6142955-\$.D.ID. OR US-6162187-\$.D.ID. OR US-6165136-\$.D.ID. OR US-6193673-\$.D.ID. OR US-6196978-\$.D.ID. OR US-6213957-\$.D.ID. OR US-6231522-\$.D.ID. OR US-6241687-\$.D.ID. OR US-6273861-\$.D.ID. OR US-6273862-\$.D.ID. OR US-6280398-\$.D.ID. OR US-6283925-\$.D.ID. OR US-6322523-\$.D.ID. OR US-6328701-\$.D.ID. OR US-6402701-\$.D.ID. OR US-6428486-\$.D.ID. OR US-6428487-\$.D.ID. OR US-6432064-\$.D.ID. OR US-6432065-\$.D.ID. OR	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:38

		US-6436054-\$.D.ID. OR US-6488636-\$.D.ID. OR US-6540694-\$.D.ID. OR US-6540761-\$.D.ID. OR US-6551255-\$.D.ID. OR US-6554779-\$.D.ID. OR US-6638235-\$.D.ID. OR US-6752768-\$.D.ID.				
S28	1	US-6758824-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:39
S29	1	US-6764495-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:39
S30	2	US-20020045840-\$.D.ID. OR US-5971939-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:50
S31	2	((("3565074") or ("3312220"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/18 18:54
S32	0	VacuFlash	US-PGPUB; USPAT	OR	ON	2007/07/18 19:01
S33	0	"VacuFlash"	US-PGPUB; USPAT	OR	ON	2007/07/18 19:01
S34	1	"gearing assembly 568"	US-PGPUB; USPAT	OR	ON	2007/07/18 19:03
S35	50	((("5649547") or ("5843046") or ("6007497") or ("6007495") or ("6019733") or ("6193673") or ("4986278") or ("5282476") or ("5348022") or ("5526822") or ("5713368") or ("5775333") or ("5928164") or ("5980469") or ("6022324") or ("6142955") or ("6402701") or ("6428486") or ("6436054") or ("6471659") or ("6554779") or ("7226424") or ("20010007925") or ("20010011156") or ("20020016555") or ("20020120212") or ("20030199785") or	US-PGPUB; USPAT	OR	OFF	2007/07/18 19:15

		("20040019299") or ("20050080355") or ("20050165328") or ("20050203439") or ("20060167377") or ("20070055173") or ("20070106176") or ("20070149893") or ("20070149894") or ("20070156064") or ("6056700") or ("6017316") or ("6162187") or ("4258722") or ("4989614") or ("5183052") or ("5241969") or ("5511556") or ("5769086") or ("6022362") or ("6077230") or ("6231522") or ("6241687") or ("").pn.)). FN.				
S36	132	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/23 16:39
S37	1387	biopsy and (power or battery or batteries) and slide and spring and needle and (vacuum or pressure or suction)	US-PGPUB; USPAT	OR	ON	2007/07/18 19:20
S38	12	S37 and S36	US-PGPUB; USPAT	OR	ON	2007/07/18 19:27
S39	210	S37 and "600"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/18 19:27
S40	41	S37 and 600/564.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/18 19:30
S41	33	S37 and 600/566.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/18 19:30
S42	241	600/566.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/23 16:39
S43	132	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/23 16:39
S44	20	S42 and S43	US-PGPUB; USPAT	OR	ON	2007/07/23 16:43
S45	353	S42 or S43	US-PGPUB; USPAT	OR	ON	2007/07/23 16:43
S46	159	S45 and ("control panel" or indicator or display or switch or button)	US-PGPUB; USPAT	OR	ON	2007/07/23 16:45

S47	97	S46 and (removable or disposable or (single near5 use) or (single near5 usage))	US-PGPUB; USPAT	OR	ON	2007/07/23 16:46
S48	66	S47 and slide	US-PGPUB; USPAT	OR	ON	2007/07/23 16:46
S49	528	Szmal.xa.	US-PGPUB; USPAT	OR	ON	2007/07/24 17:59
S50	76	S49 and biopsy	US-PGPUB; USPAT	OR	ON	2007/07/24 18:01
S51	1	("5526822").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/24 18:01
S52	1	S50 and Burbank.in.	US-PGPUB; USPAT	OR	ON	2007/07/24 18:01
S53	11	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2007/07/25 12:47
S54	132	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/02 13:36
S55	241	600/566.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/02 13:36
S56	25	((pressure or vacuum or suction) with (piston or plunger or cylinder or syringe)) and ((biopsy adj needle) with (removable or replacable or disposable))	US-PGPUB; USPAT	OR	ON	2007/09/10 17:29
S57	1	("4989614").PN.	US-PGPUB; USPAT	OR	OFF	2010/04/07 15:47
S58	14	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2010/04/10 13:58
S59	11	Heske-Thomas.in.	US-PGPUB; USPAT	OR	ON	2010/04/10 13:58
S60	1	Heske-Norbert-F.in.	US-PGPUB; USPAT	OR	ON	2010/04/10 13:58
S61	0	Heske-Thomas-G.in.	US-PGPUB; USPAT	OR	ON	2010/04/10 13:58
S62	15	S58 or S59 or S60 or S61	US-PGPUB; USPAT	OR	ON	2010/04/10 13:58
S63	6	("20050004492" "20050010131" "20050027210" "5564436" "6849080" "7153274").PN.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:05
S64	1	("20070032741").PN.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:09
S65	1	("5324306").PN.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:10

S66	178	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:50
S67	326	600/566.ccls.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:50
S68	148	600/568.ccls.	US-PGPUB; USPAT	OR	ON	2010/04/10 14:50
S69	563	S66 S67 S68	US-PGPUB; USPAT	OR	ON	2010/04/10 14:50
S70	28	((pressure or vacuum or suction) with (piston or plunger or cylinder or syringe)) and ((biopsy adj needle) with (removable or replaceable or disposable))	US-PGPUB; USPAT	OR	ON	2010/04/10 15:46
S71	15	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2010/06/03 18:27
S72	12	Heske-Thomas.in.	US-PGPUB; USPAT	OR	ON	2010/06/03 18:27
S73	1	Heske-Norbert-F.in.	US-PGPUB; USPAT	OR	ON	2010/06/03 18:27
S74	0	Heske-Thomas-G.in.	US-PGPUB; USPAT	OR	ON	2010/06/03 18:27
S75	16	S71 or S72 or S73 or S74	US-PGPUB; USPAT	OR	ON	2010/06/03 18:27
S76	1	("4989614").PN.	US-PGPUB; USPAT	OR	OFF	2010/06/03 20:24
S77	2	((("4605011") or ("5964716")).PN.	US-PGPUB; USPAT	OR	OFF	2010/06/03 21:14
S78	11	("0033258" "20080154151" "5601585" "5830219" "6331166" "6585664" "6659105" "7189206" "7226424" "7347829" "7648466").PN.	US-PGPUB; USPAT	OR	ON	2010/09/30 18:50
S79	16	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S80	14	Heske-Thomas.in.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S81	2	Heske-Norbert-F.in.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S82	0	Heske-Thomas-G.in.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S83	18	S79 or S80 or S81 or S82	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S84	195	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34

S85	353	600/566.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S86	157	600/568.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S87	603	S84 S85 S86	US-PGPUB; USPAT	OR	ON	2010/09/30 19:34
S88	17	Heske-Norbert.in.	US-PGPUB; USPAT	OR	ON	2011/06/26 17:13
S89	16	Heske-Thomas.in.	US-PGPUB; USPAT	OR	ON	2011/06/26 17:13
S90	3	Heske-Norbert-F.in.	US-PGPUB; USPAT	OR	ON	2011/06/26 17:13
S91	0	Heske-Thomas-G.in.	US-PGPUB; USPAT	OR	ON	2011/06/26 17:13
S92	20	S88 or S89 or S90 or S91	US-PGPUB; USPAT	OR	ON	2011/06/26 17:13
S93	100	("0737293" "1585934" "1663761" "20020082518" "20040049128" "20040267157" "20050049489" "20050049521" "20050080355" "20050124914" "20050165328" "20050177117" "20050209530" "20050277829" "20050277871" "20060030784" "20060129063" "20060178666" "20060184063" "20060258956" "20070016101" "20070027407" "20070073326" "20070106176" "20070161925" "20070213630" "20070239067" "20070255173" "20070270710" "20070276288" "20070287933" "20070293788" "20080004545" "20080015429" "20080021487" "20080021488" "20080064984"	US-PGPUB; USPAT	OR	ON	2011/06/26 17:19

		"20080146962" "20080161720" "20080183099" "20080195066" "20080200833" "20080200836" "20080208194" "20080221480" "20080228104" "20080234715" "20080281225" "20080306406" "20080319341" "20090227893" "3224434" "3477423" "3512519" "3561429" "3565074" "3732858" "3882849" "3996935" "4275730" "4445509" "4549554" "4577629" "4589414" "4603694" "4605011" "4678459" "4696298" "4702260" "4844087" "4850354" "4893635" "4967762" "4986278" "4986279" "4986807" "5176628" "5282477" "5368029" "5439474" "5458112" "5496860" "5511556" "5560373" "5602449" "5665101" "5720760" "5792167" "5817033" "5827305" "6007556" "6017316" "6485436" "6689072" "6984213" "7025732" "7276032" "7402140" "7452367" "RE33258").PN.				
S94	104	("20010034530" "20010044595" "20020065474" "20020067151" "20020107043" "20030130593" "20030130677" "20030163142" "20030229293" "20030233101" "20040015079" "20040019297" "20040030367" "20050004559" "20050020909" "20050027210"	US-PGPUB; USPAT	OR	ON	2011/06/26 18:46

"20050085838"	
"20050113715"	
"20050113716"	
"20050124915"	
"20050193451"	
"20050275378"	
"20060113958"	
"20060116603"	
"20070090788"	
"20070118049"	
"20070167782"	
"20070213590"	
"20070213632"	
"20070236180"	
"20070287933"	
"20070293788"	
"20080007217"	
"20080030170"	
"20080064925"	
"20080079391"	
"20080110261"	
"20080135443"	
"20080161682"	
"20080161718"	
"20080161719"	
"20080215056"	
"20080221443"	
"20080221444"	
"20080221478"	
"20080221479"	
"20080232604"	
"20090030405"	
"20090062624"	
"20090082695"	
"20090125062"	
"2953934"	"3019733"
"3727602"	"4282884"
"4354092"	"4617430"
"4645153"	"4907598"
"5138245"	"5158528"
"5225763"	"5234000"
"5236334"	"5334183"
"5479486"	"5485917"
"5492130"	"5535755"
"5554151"	"5569284"
"5655657"	"5699909"
"5735264"	"5755714"
"5908233"	"5916229"
"5951575"	"6018227"
"6022325"	"6123957"
"6220248"	"6358217"
"6419641"	"6482158"
"6527736"	"6659338"
"6683439"	"6695786"
"6712774"	"6753671"

		"6832990" "6926676" "7219867" "7328794" "7374544" "7397654" "7405536" "7407054" "7432813" "7464040" "7490048" "D508458" "D525583").PN.				
S95	20841	(syringe piston cylinder "piston/cylinder" "cylinder/ piston") and biopsy	US-PGPUB; USPAT	OR	ON	2011/06/27 17:41
S96	4432	biopsy and ((power powered motor solenoid motorized actuator actuated actuate actuating) same (gear geared gearing transmission transmitting transmit transmitted spindle))	US-PGPUB; USPAT	OR	ON	2011/06/27 17:44
S97	237192	(removable remove removed removing removal disposable disposing disposed dispose ((throw thrown throwing) adj (out away))) with (needle sheath cannula cutting cutter stylet)	US-PGPUB; USPAT	OR	ON	2011/06/27 17:48
S98	9540	S97 and biopsy	US-PGPUB; USPAT	OR	ON	2011/06/27 17:48
S99	1041	S95 and S96 and S98	US-PGPUB; USPAT	OR	ON	2011/06/27 17:49
S100	28909	biopsy and (cock cocking cocked ready ((position positioning positioned set setting) with (fire firing fired sample sampled sampling inject injected injecting button press pressing pressed)))	US-PGPUB; USPAT	OR	ON	2011/06/27 17:51
S101	735	S99 and S100	US-PGPUB; USPAT	OR	ON	2011/06/27 17:52
S102	22854	biopsy and (vacuum vacuuming vacuumed suction suctioning suctioned ((negative decreased decreasing decrease) with pressure))	US-PGPUB; USPAT	OR	ON	2011/06/27 17:56
S103	592	S101 and S102	US-PGPUB; USPAT	OR	ON	2011/06/27 17:56

S104	4866	biopsy and ((needle sheath cannula cutting cutter outer) with (rotate rotating rotated rotation turn turning turned))	US-PGPUB; USPAT	OR	ON	2011/06/27 18:04
S105	652	biopsy and ((needle sheath cannula cutting cutter outer) with (rotate rotating rotated rotation turn turning turned)) same (cock cocking cocked ready ((position positioning positioned set setting) with (fire firing fired sample sampled sampling inject injected injecting button press pressing pressed)))	US-PGPUB; USPAT	OR	ON	2011/06/27 18:05
S106	163	S105 and S103	US-PGPUB; USPAT	OR	ON	2011/06/27 18:05
S107	145	S106 and (spring resilient coil coiled)	US-PGPUB; USPAT	OR	ON	2011/06/27 18:11
S108	8677	((removable remove removed removing removal disposable ((disposing disposed dispose) with (garbage waste trash)) ((throw thrown throwing) adj (out away))) with (needle sheath cannula cutting cutter stylet)) and biopsy	US-PGPUB; USPAT	OR	ON	2011/06/27 18:14
S109	137	S95 and S96 and S108 and S102 and S105 and S107	US-PGPUB; USPAT	OR	ON	2011/06/27 18:15
S110	208	600/565.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 19:43
S111	395	600/566.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 19:43
S112	172	600/568.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 19:43
S113	659	S110 S111 S112	US-PGPUB; USPAT	OR	ON	2011/06/27 19:43
S114	916	600/564.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 19:51
S115	779	S114 not S113	US-PGPUB; USPAT	OR	ON	2011/06/27 19:51
S116	1504	606/170.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 20:06

S117	1333	S116 not (S113 S114)	US-PGPUB; USPAT	OR	ON	2011/06/27 20:06
S118	1973	606/167.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 20:37
S119	1579	S118 not (S113 S114 S116)	US-PGPUB; USPAT	OR	ON	2011/06/27 20:37
S120	1061	600/567.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 21:07
S121	650	S120 not (S113 S114 S116 S118)	US-PGPUB; USPAT	OR	ON	2011/06/27 21:08
S122	753	600/562.ccls.	US-PGPUB; USPAT	OR	ON	2011/06/27 21:21
S123	564	S122 not (S113 S114 S116 S118 S120)	US-PGPUB; USPAT	OR	ON	2011/06/27 21:22

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	758	600/562.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:50
L2	917	600/564.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:50
L3	208	600/565.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L4	395	600/566.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L5	1065	600/567.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L6	172	600/568.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L7	1977	606/167.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L8	1507	606/170.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L9	4489	1 2 3 4 5 6 7	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51

L10	5580	1 2 3 4 5 6 7 8	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:51
L11	426	L10 and ((cutting cutter outer cannula sheath needle) with (rotate rotating rotated rotation turn turning turned) same (move moving moved movement displace displacement displaced displacing cock cocking cocked slide sliding slid lock locking locked catch caught catching)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:54
L12	119	L11 and (syringe piston cylinder cylindrical "piston/ cylinder" "cylinder/ piston").clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:56
L13	10	L11 and ((syringe piston cylinder cylindrical "piston/ cylinder" "cylinder/ piston") same (vacuum vacuuming vacuumed suction suctioning suctioned ((negative decreased decreasing decrease) with pressure))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/28 12:57
L14	1	"Term Removed"	USPAT; UPAD	OR	ON	2011/06/28 13:18

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